

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (currently amended) A medical image diagnosis apparatus which images a subject by forming a whole image of a subject portion of [[a]] the subject, displays imaging conditions on the whole image, and allows an operator to set or modify the imaging conditions for obtaining a tomographic image of the subject portion under the imaging conditions, the medical image diagnosis apparatus comprising:

a first display device for displaying the whole image and the imaging conditions ~~or variably inputting the imaging conditions by displaying the whole image and the imaging conditions~~ including a frame indicating a scan area and lines indicating imaging position of the tomographic images and image reconstruction positions of the tomographic images;

a second display device for extracting one or more of the imaging conditions including the frame and the lines and displaying the extracted imaging conditions;

a display control device for the first display device and the second display device; and

an operating device for variably inputting or changing the imaging conditions which includes the frame and the lines ~~displayed in a display image frame on~~ by the second display device.

2. (original) The medical image diagnosis apparatus according to claim 1, wherein the imaging conditions displayed on the first and second display device are imaging conditions displayed by graphic display and including at least one of an imaging position, an imaging area,

a certain number of instances of image reconstruction, an image reconstruction position and a scanner angle.

3. (original) The medical image diagnosis apparatus according to claim 1, wherein the imaging conditions displayed on the second display device further include imaging sequence ordinal numbers for setting the imaging conditions with respect to each of a plurality of imaging sequences.

4. (original) The medical image diagnosis apparatus according to claim 1, wherein a display frame on the first display device and the display frame on the second display device share one monitoring screen.

5. (original) The medical image diagnosis apparatus according to claim 1, wherein display devices for the first display device and the second display device are provided separately from each other.

6. (original) The medical image diagnosis apparatus according to claim 3, wherein at least one of the imaging conditions for imaging varies among the imaging sequences.

7. (original) The medical image diagnosis apparatus according to claim 3, wherein the desired order of execution of the plurality of imaging sequences is designated by inputting numeric values.

8. (original) The medical image diagnosis apparatus according to claim 2, wherein the imaging position and the imaging area in the imaging conditions are indicated by a rectangular frame and a mark in the rectangular frame in the first display device and the second display device, and are set in at least one of the first display device and the second display device.

9. (original) The medical image diagnosis apparatus according to claim 8, wherein the number of instances of image reconstruction and the image reconstruction positions in the imaging conditions are indicated by lines provided in the rectangular frame and dividing the rectangular frame by extending parallel to sides of the rectangular frame, and are set in at least one of the first display device and the second display device.

10. (original) The medical image diagnosis apparatus according to claim 8, wherein the operating device can extend or contract the rectangular frame in any direction, and move the mark to any position together with the rectangular frame.

11. (original) The medical image diagnosis apparatus according to claim 9, wherein the operating device can generate the division lines in the rectangular frame at any position and move the division lines to any position.

12. (previously presented) The medical image diagnosis apparatus according to claim 8, wherein the operating device can form a parallelogram by tilting the rectangular frame indicated in the first display device and the second display device, and set the scanner angle in the imaging conditions as the tilt angle of the parallelogram in the first display device and the second display

device.

13. (previously presented) The medical image diagnosis apparatus according to any one of claims 8 to 12, wherein the rectangular frame, the division lines and the mark can be moved or copied from the first display device to the second display device or between the first display device and the second display device in an identical, similar or analogous form.

14. (original) The medical image diagnosis apparatus according to any one of claims 4 to 12, wherein the operating device comprises a pointer.

15. (original) The medical image diagnosis apparatus according to any one of claims 1 to 3, wherein the second display device comprises a touch panel.

16. (currently amended) A medical image diagnosis apparatus which forms a whole image of a subject portion of a subject and obtains one or more tomographic images under imaging conditions set based on the whole image, the medical image diagnosis apparatus comprising:

a first display device for displaying the whole image of the subject portion and the imaging conditions including a frame indicating a scan area and lines indicating imaging position of the tomographic images and image reconstruction positions of the tomographic images;

a second display device for extracting one or more of the imaging conditions including the frame and the lines and displaying an imaging condition setting frame the imaging condition including the frame and the lines extracted from the first display device for setting the

imaging conditions for obtaining one or more tomographic images;

an operating device for an operator to selectively set the imaging conditions utilizing ~~said imaging condition setting~~ the frame and the lines displayed by said second display device;
and

a display control device for displaying information indicating positions ~~on the whole image displayed on the first display device~~ of said one or more tomographic images to be obtained on the whole image displayed on the first display device, based on the imaging conditions set with the operating device.